11. The integrating apparatus of claim 10, wherein the delaying means delays the signal on a timescale of the predetermined sampling time intervals.

12. A signal processing apparatus comprising:

one or more sensors for detecting a level of physical or chemical value; and

the integrating apparatus according to claim 2, to which the output of the sensor is supplied.

13. A signal processing apparatus comprising:

one or more sensors for detecting a level of physical or chemical value; and

the integrating apparatus according to claim 3, to which the output of the sensor is supplied.

14. A signal processing apparatus comprising:

one or more sensors for detecting a level of physical or chemical value; and

the integrating apparatus according to claim 4, to which the output of the sensor is supplied.

15. A signal processing apparatus comprising:

one or more sensors for detecting a level of physical or chemical value; and

the integrating apparatus according to claim 5, to which the output of the sensor is supplied.

16. A signal processing apparatus comprising:

one or more sensors for detecting a level of physical or chemical value; and

the integrating apparatus according to claim 6, to which the output of the sensor is supplied.

17. A signal processing apparatus comprising:

one or more sensors for detecting a level of physical or chemical value; and

the integrating apparatus according to claim 7, to which the output of the sensor is supplied.

18. A signal processing apparatus comprising:

one or more sensors for detecting a level of physical or chemical value; and

the integrating apparatus according to claim 10, to which the output of the sensor is supplied.

19. A signal processing apparatus comprising:

one or more sensors for detecting a level of physical or chemical value; and

the integrating apparatus according to claim 11, to which the output of the sensor is supplied.--